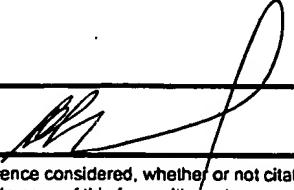
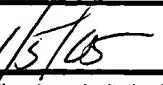


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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>					
Sheet	1	of	1	Application Number	09/887,997
				Filing Date	June 22, 2001
				First Named Inventor	Quake, Stephen R.
				Art Unit	1765
				Examiner Name	Robert M. Kunemund
				Attorney Docket Number	20174C-004900US

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
MM	1	ANDERSSON et al., Consecutive Microcontact Printing - Ligands for Asymmetric Catalysis in Silicon Channel, Sensors and Actuators, B, 3997, 2001, pp 1-7.			
	2	CHAYEN, The Role of Oil in Macromolecular Crystallization, Structure, 1997, Vol. 5, No. 10, pp 1269-1274.			
	3	DUCRUIX et al., Methods of Crystallization in Crystallization of Nucleic Acids and Proteins - A Practical Approach, IRL Press, Oxford. 1992; : 73- 98.			
	4	MCOPHERSON, Crystallization of Macromolecules: General Principles, Methods Enzymol., 1985, pp. 114, 112			
	5	MCOPHERSON et al., Crystallization of Proteins by Variations of pH of Temperature, Methods Enzymol., 1985; 114: pp. 125-127.			
	6	MCOPHERSON et al., Use of Polyethylene Glycol in the Crystallization of Macromolecules, Methods Enzymol., 1985; 114: pp. 120-125.			
	7	PHILLIPS, Crystallization in Capillary Tubes, Methods Enzymol. 1985; 114: pp. 128- 131			
MM	8	WU et al., MEMS Flow Sensors for Nano-Fluidic Applications, Sensors and Actuators A 89, 2001, pp 152-158.			

Examiner Signature		Date Considered	
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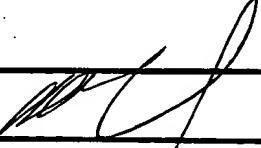
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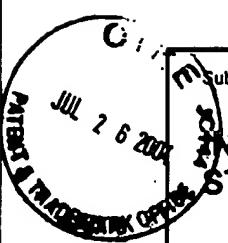


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	1	CARTER et al., Protein Crystallization Using Incomplete Factorial Experiments, the Journal of Biological Chemistry, 1979, pp. 12219-12223, Vol. 254, No. 23.		
	2	CARTER et al., Statistical Design of Experiments for Protein Crystal Growth and the Use of a Precrystallization Assay, Journal of Crystal Growth 90, 1998, pp. 60-73.		
	3	JARAMILLO et al., Crystallization and Cryocrystallography inside X-ray capillaries, J. Appl. Cryst. (2001). 34, pp. 365-370.		
	4	KAMHOLZ et al., Quantitative Analysis of Molecular Interaction in a Microfluidic Channel: The T-Sensor, Analytical Chemistry, Vol. 71, No. 23, December 1, 1999, pp. 5340-5347.		
	5	LIN et al., Convective-diffusive transport In protein crystal growth, Journal of Crystal Growth, 151 (1995), pp. 153-162.		
	6	LUFT et al., Kinetic Aspects of Macromolecular Crystallization, Methods in Enzymology, 1997, pp. 110-130, Vol. 276.		
	7	MILLER et al., A Comparison between Protein Crystals Grown with Vapor Diffusion Methods in Microgravity and Protein Crystals using a Gel Liquid-liquid diffusion Ground-Based Method, Journal of Crystal Growth 132 (1992), pp. 306-309		
	8	NERAD et al., Ground-Based Experiments on the Minimization of Convention During the Growth of Crystals From Solution, Journal of Crystal Growth, 1986, pp. 591-608, Vol. 75.		
	9	RUIZ et al., Agarose as Crystallization Media for Proteins I: Transport Processes, Journal of Crystal Growth, 2001, pp. 165-172, Vol. 232.		
	10	RUIZ et al., Investigations on Protein Crystal Growth by the Gel Acupuncture Method, Acta Crystallographica, 1994, pp. 484-490, Section D.		
	11	SALEMME, A Free Interface Diffusion Technique for the Crystallization of Proteins for X-Ray Crystallography, Archives of Biochemistry and Biophysics, 1972, pp. 533-539, Vol. 151.		
	12	THOMAS et al., Distribution coefficients of Protein Impurities in Ferritin and Lysozyme Crystals Self-Purification In Microgravity, Journal of Crystal Growth 211 (2000), pp. 149-156.		

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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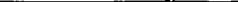
Sheet 1 of 1

Substitute for form 1449A/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	09/887,997
(use as many sheets as necessary)		Filing Date	June 22, 2001
		First Named Inventor	Quake, Stephen R.
		Art Unit	1725
		Examiner Name	Unassigned
Sheet	1	of	1
		Attorney Docket Number	
		20174C-004900US	

## U.S. PATENT DOCUMENTS+

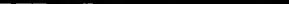
## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
MM	2	PCT	WO 99/52633	A	10-21-1999	Lumenal Technologies	
MM	3	PCT	WO 00/43748	A	07-27-2000	YSI Inc.	
MM	4	PCT	WO 99/00655	A	01-07-1999	Immunetics	

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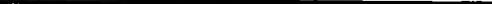
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		<i>Art Unit</i>	1725
		<i>Examiner Name</i>	Robert M. Kunemund
Sheet	2	of	2
		<i>Attorney Docket Number</i>	20174C-004900US

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Sheet <i>1</i>	of <i>2</i>		

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